

Confidential Claim Retracted

AUTHORIZED BY: GL

DATE: 5/16/13

JACKPILE MINE  
PROJECT  
LAGUNA, NM

PROJECT STATUS  
REPORT  
NO. 1

AUGUST 31, 1989



9404031

CONFIDENTIAL

POL-EPA01-0002421

BRADBURY & STAMM CONSTRUCTION COMPANY, INC.

PROJECT NO. 4589

J A C K P I L E   M I N E   P R O J E C T

LAGUNA, NEW MEXICO

P R O J E C T   S T A T U S   R E P O R T

N O .   1

P E R I O D   E N D I N G   A U G U S T   3 1 ,   1 9 8 9

BRADBURY & STAMM CONSTRUCTION COMPANY, INC.

BY: 

Harold V. Larkin Jr.  
Senior Project Manager

cc: Jim Olsen - Pueblo of Laguna (22)  
Roger Baer - BIA  
Neal Kasper - Laguna Construction Company  
Bradbury & Stamm

**JACKPILE MINE RECLAMATION  
MONTHLY STATUS REPORT  
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- \* August 2, 1989
- \* August 16, 1989
- \* August 23, 1989
- \* August 31, 1989

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## **1. PROGRESS REPORT AND COMPLETION SCHEDULE**

### **1.1 Progress Report**

- \* The contract with the Interim Construction Management Contractor was signed by the Pueblo of Laguna on July 31, 1989.
- \* Work on the Shop area is 80% complete.
- \* Keer's started cleaning and reinsulating the shop on August 7, 1989.
- \* The two pumps for dewatering the North Paguate were delivered on August 15, 1989.
- \* The first grader was delivered on August 16, 1989 and started grading the roads immediately.
- \* The first load of pipe for the dewatering was delivered on August 17, 1989.
- \* Electric power was restored to the shop area on August 25, 1989.
- \* The last load of pipe was delivered on August 29, 1989.
- \* The CMC office was set up at the shop area on August 31, 1989.

### **1.2 Completion Schedule**

- \* (Will be included starting next month)

MOBILIZATION WORK PACKAGES		30-Aug-89		LAGUNA CONSTRUCTION CO., INC.	
FOUR WEEK SCHEDULE		07:31 AM			
WORK	DESCRIPTION	QUANTITY	UNIT	WEEK ENDING	WEEK ENDING
PKG. NO.				8/26/89	9/2/89
				9/9/89	9/16/89
					REMARKS

2M1L05	BUY SMALL TOOLS&SAFETY EQUIP.	LS			SMALL TOOLS AND SUPPLIES RECEIVED AS NEEDED
2M1L06	REMODEL EICLO OFFICE	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2M1L07	RECONDITION JOBSITE	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2M1L08	SET UP SHOP&MAINTENANCE AREA	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2S2N01	DEWATER NORTH PAGUATE PIT	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2S3S01	DEMOLISH N. PAGUATE STRUCTURES	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2S3S01	DEMOLISH S. PAGUATE STRUCTURES	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2S1S05	PLUG DRILL HOLES	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
2M3L01	OPERATOR TRAINING	LS			
2E3N01	BUILD N. PAGUATE HAUL ROADS	F/A			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

LEGEND:

INTERMITTENT WORK AS REQUIRED |||||

MAJOR WORK ITEM \*\*\*\*\*

- NOTES:
1. RECEIVED 11,760 FT. OF 10" ALUMINUM PIPE 8/28/89 & 8/29/89.
  2. RECEIVED WATER LINE FITTINGS 8/29/89.
  3. RENTAL DBN RETURNED 8/28/89.
- DBN RECEIVED 8/28/89.
4. RECEIVED 2 TN. FLATBED TRUCK 8/29/89.

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## EQUIPMENT DELIVERY SCHEDULE

LAGUNA CONSTRUCTION CO., INC.										
DELIVERY DATE	DESCRIPTION	JULY	AUGUST	SEPTEMBER	OCTOBER	DELIVERY DATE	DESCRIPTION	JULY	AUGUST	SEPTEMBER
7/3	D6H LGP			X			3/4 TN. PICKUP 4X4		X	
8/27	D8N W/ RIPPER		X				1/2 TN. PICKUP 4X4		X	
7/3	D8N			X			3/4 TN. PICKUP 4X4, CREW CAB			
9/16	D8N			X		IN STOCK	631 E SCRAPER			X
9/16	D8N			X		IN STOCK	631 E SCRAPER			X
9/16	D8N			X		10/15	631 E SCRAPER			
8/27	D9N W/ RECLAMATION BLADE			X		10/15	631 E SCRAPER			
8/27	D9N W/ RECLAMATION BLADE			X		10/15	631 E SCRAPER			
8/30	D9N W/ RIPPER & PUSH CUSHION			X		8/20	5,000 GAL. WATER WAGON		X	
9/20	D10N W/ RIPPER			X		9/3	5,000 GAL. WATER WAGON			X
IN STOCK	14 G MOTOR GRADER			X		9/3	5,000 GAL. WATER WAGON			X
8/11	16 G MOTOR GRADER		X			9/12	70 TN. BELLY DUMP		X	X
7/20	16 G MOTOR GRADER			X		9/12	70 TN. BELLY DUMP		X	X
8/15	1982 KENWORTH TRANSPORT		X			9/25	70 TN. BELLY DUMP		X	X
8/15	1982 KENWORTH FUEL/LUBE TRUCK		X	X		10/25	70 TN. BELLY DUMP			X
8/15	50 TN. LOWBOY		X			10/25	70 TN. BELLY DUMP			X
8/15	END DUMP TRAILER		X			10/25	70 TN. BELLY DUMP			X
8/15	2 TN. MECHANIC TRUCK W/ BOOM		X	X		10/25	70 TN. BELLY DUMP			X
8/15	2TN. FLATBED		X	X			410 C RUBBER TIED BACKHOE, JD		X	
	1 TN. MECHANIC TRUCK		X	X			520 B WHEEL LOADER		X	
	1 TN. MECHANIC TRUCK		X	X			MOBILE PHONES			X
7/27	3/4 TN. PICKUP 2X4	X				IN STOCK	988 B WHEEL LOADER			X
7/12	3/4 TN. PICKUP 2X4			X		9/20	988 B WHEEL LOADER			X
8/30	3/4 TN. SUPERCAB PICKUP 4X4		X				205KW GENERATOR SET		X	
	3/4 TN. PICKUP 2X4		X				COMPACTOR			X
	3/4 TN. PICKUP 4X4		X				MISC. EQUIPMENT AND SHOP			X
						9/12	LUBE VAN		X	X
							FLOAT TRAILER		X	
						8/15	DEWATERING PUMP		X	
						8/15	DEWATERING PUMP		X	
						8/15	205KW GENERATOR SET		X	
						1/20	824 C RUBBER TIED DOZER			

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## **2 . C R I T I C A L F O L L O W U P I T E M S**

### **2.1 POL Actions or Decisions**

- \* Obtain 100% design documents from Jacobs Engineering
- \* Obtain Project control plan and schedule from Jacobs Engineering.

### **2.2 BIA Actions or Decisions**

- \* Provide fully executed copy of POL-ICMC agreement

### **2.3 Laguna Construction Actions or Decisions**

- \* Prepare demolition schedule
- \* Prepare accidental discharge plan before pumping water from North Pagate pit.
- \* Prepare plan for evaporation ponds.
- \* Provide equipment rates

### **2.4 CMC Actions or Decisions**

- \* Issue aerial photography subcontract
- \* Request proposal for environmental subcontractor
- \* Request proposals for drilling subcontractor
- \* Purchase meteorological monitoring station.
- \* Arrange for testing of North Pagate pit water.

# AUGUST BILLINGS

## MOBILIZATION WORK PACKAGES

NUMBER	DESCRIPTION	ESTIMATED COSTS	PRIOR BILLINGS	8/15/89 BILLING	8/31/89 BILLING	TOTAL COST TO DATE
2M1L05	Purchase small tools	\$63,724		\$170.85	\$1,531.60	\$1,702.45
2M1L06	Remodel Project Offices	\$46,520		\$828.49	\$2,420.37	\$3,248.86
2M1L07	Recondition Job Site	\$97,163		\$2,667.80	\$8,477.84	\$11,145.64
2M1L08	Set Up Shop Facilities	\$192,210		\$11,564.86	\$7,608.51	\$19,173.37
2S2N01	Dewater north Paguate Pit	\$141,666			\$70,953.43	\$70,953.43
2S3S01	Demolish North Paguate Structures	\$2,947			\$720.00	\$720.00
2S3N01	Demolish South Paguate Structures	\$57,896				\$0.00
2S1S05	Plug Drill Holes	\$27,196				\$0.00
2M3L01	Operator Training	\$14,600				\$0.00
2E1N01	Construct NP Haul Roads	\$60,352			\$773.28	\$773.28
	LCC Administrative costs	\$176,000	\$176,000.00			\$176,000.00
	TOTAL TARGET PRICE	\$880,374	\$176,000.00	\$15,232.00	\$92,485.03	\$283,717.03
	CONSTRUCTION MANAGEMENT CONTRACTOR	\$121,730			\$17,865.00	\$17,865.00
	CMC Purchases				\$240.79	\$240.78
	TOTAL ALL COSTS		\$176,000.00	\$15,232.00	\$110,590.81	\$301,822.81



Analysis of Generator Useage vs. Power from Electric Company

TABLE 1

1. Assumed 500,000,000 gallons of Pit water for project.
2. Pumping rate = average of 1000 gpm x 2 pumps = 2000 gpm
3. Generator Sets @ \$25,000.00 each
4. Fuel cost =  $10.1 \text{ gal/hr} \times 2 \text{ gen sets} \times \$0.564/\text{gal} = \$11.29 \text{ per hour}$
5. Continental Divide Electric Installation cost of \$10,000 drop & xfmr. at North Paguate
6. Continental Divide Electric installation xfmr and \$20,000 line work at South Paguate. Depending on line routing it could be \$40,000.00. It is based on \$20,000.00 per mile of line. Total = \$28,000.00 minimum \$48,000.00 maximum. Use \$38,000.00 for calculation.
7. Continental Electric Installation Cost at Jackpile \$8,000.00 install and 3 miles of line work at \$20,000.00 per mile = \$68,000.00.
8. Pumping Operation average 22 hours per day or 90% availability.
9. This analysis does not include cost of pumps, piping, fittings and special equipment. It is to be used on all pit dewatering.
10. Continental Divide Electric estimate of \$2500.00 per month per pump equal \$5000.00 per month.
11. No pump or pipeline maintenance costs included.

Generator VS Electric Co.

I. Cost of Pumping all pit water utilizing power company  
installation based on two pumps (Data from Table 1)

A. Electric Installation

a.	North Paguate	=	\$10,000	
b.	South Paguate	=	38,000	
c.	Jackpile	=	<u>68,000</u>	
			\$116,000	
d.	Salvage		<u>-0-</u>	
			\$116,000	\$116,000

B. Power Consumption

a.	(2000 gpm) (60 min) (22 hrs)	=	2,640,000 gal/day
b.	500,000,000 gals	-	2,640,000 = 189 days
c.	189 days	-	30 days/month = 6.3 months
d.	(6.3) (\$5000/month)	=	<u>31,500</u>

C. Total Cost of Analysis (Utility) = \$147,500.00

Generator VS. Electric Co.

II. Cost of pumping all pit water utilizing generator sets. Based on one generator set per pump. (Data from Table 1)

A. Generator Set Installation

a. 2 - 205 KW Units	=	50,000	
b. Install and Misc. electric	=	<u>7,500</u>	
		57,500	
c. Salvage Value (.25)	=	<u>&lt;12,500&gt;</u>	
		45,000	\$45,000

B. Fuel Consumption

a. (2000 gpm) (60 min) (22 hrs) = 2,640,000 g/day	
b. 500,000,000 gals - 2,640,000 = 189 days	
c. (189 days) (22 hrs/day) (11.39/hr) = 47,360	
	<u>\$47,360</u>

C. Total Cost of Analysis	\$92,360
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III. Comparison

A. IC. Electric Utility Cost	=	\$147,500	
B. IIC. Generator Set Cost	=	<u>&lt;92,360&gt;</u>	
C. Utility VS. Gen. Set	=		\$55,140
			=====

Generator useage VS Electric Co.

- IV. A. Margin of accuracy on electrical installation of power company = +/- 10%
- B. Margin of accuracy on gen set = +/- 15% due to fuel changes
- C. ∴ Worst Case = - 10%  
for utility and + 15% Generator Sets
- |    |                 |   |                        |
|----|-----------------|---|------------------------|
| a. | (147,500) (.9)  | = | 132,750                |
| b. | (92,360) (1.15) | = | <u>&lt;106,214&gt;</u> |
|    | \$ Δ            | = | \$ 26,536              |
- D. ∴ Generator Sets remain the most cost effective method on direct cost review.

Generator Set VS Electric Co.

V. Other Factors to validate the use of generator sets.

- a. One power source from an electric utility line puts pumping operation in jeopardy due to possibility of lines going down and utility will not guarantee how long it will be before they will repair (ie. no priority on Laguna lines).
- b. Using generator sets allows the pumping operation to continue without full shutdown at anytime.  
(ie. maintenance occurs on a generator set independent of the other).
- c. Generator sets can be used on the irrigation operation or future remote locations to power project facilities, on a longterm basis.
- d. Generator sets allow LCC the flexibility and mobility to move the installation as the schedule requires and locate as required.
- e. It is questionable whether Continental Divide Electric's estimate of \$2500.00 per month is realistic. This equates to 3.3 cents per KWH. Commercial power cost demands tend to be higher than this.

(30 days) (24 hrs.) (140 hp) (.746 KW/hp) (x) = \$2,500

75,197 x = 2,500

x = \$0.033/KWhr



JACKPILE MINE - LAGUNA NEW MEXICO  
JOBSITE WEEKLY PROJECT MEETING

August 2, 1989

ATIQ TATARI, LAGUNA CONSTRUCTION COMPANY  
ROGER BAER, BUREAU OF INDIAN AFFAIRS  
NEAL KASPER, LAGUNA CONSTRUCTION COMPANY  
NORM SHAIN, BRADBURY & STAMM CONSTRUCTION  
HAL LARKIN, BRADBURY & STAMM CONSTRUCTION  
ALICE FORTENBURY, BRADBURY & STAMM CONSTRUCTION

- 1) It was confirmed "Notice to Proceed" was issued and received by Laguna Construction and Bradbury & Stamm Construction from the Pueblo of Laguna.
- 2) Laguna Construction is in the process of purchasing it's equipment. Hopefully, the equipment will be on-site by the end of next week.
- 3) Laguna Construction is proceeding in preparing the shop and cleaning up the shop this week.
- 4) It was agreed that the project weekly meetings will be on Wednesday @ 9:00 a.m. at the Laguna Construction Office.
- 5) Laguna Construction will have a monthly schedule at each meeting. A bar chart would be sufficient with a four week span. One week back and three weeks forward. Laguna Construction's engineer will be at the meeting to discuss the schedule.
- 6) BIA will be sending out the 100% Mobilization books.
- 7) Laguna Construction will be furnishing a pay estimate for the month of July so Bradbury & Stamm may review. It was agreed for the first pay estimate to use a cover letter with all proper invoices attached. Pueblo of Laguna will pay the 15th and 31st so billings will be processed twice a month.
- 8) Bradbury & Stamm will need a copy of the agreement that Laguna Construction Company has with the Pueblo of Laguna before it can approve payment.
- 9) Norm Shain will sign off on all daily reports and receiving reports. It was agreed that Shain may sign same the copies of forms that Laguna Construction signs in order not to duplicate more paperwork. Bradbury & Stamm and BIA will need copies of everything from Laguna Construction for approval for payment.
- 10) Laguna Construction will be hiring security for on-site protection for thief and vandalism



Page Two  
Jackpile Mine Jobsite Meeting  
August 2, 1989

11) It was agreed that the radiation monitoring program will be the responsibility of the Construction Manager, Bradbury & Stamm Construction, during mobilization.

12) Laguna Construction will have a "TOOL BOX MEETING" every week with their staff and workers. SAFETY IS A MUST!!!

13) Next week Keers will start removing the insulation in the shop buildings which is the first Subcontractor hired on the job.

14) Testing of the piping and electrical work in the shop buildings will start next week.

15) Access roads will be checked to see if there will be any problems.

16) Pumps are on order and will be in next week. Pumping of the water out of the North Paguate pit will start. It was suggested that there needs to be a calculation keep on gallons of water pumped out. Since there is no electricity on-site Laguna Construction is purchasing two 50KW generators for temporary power until Continental puts in the permanent power.

17) The State Highway Department has diverted the water off the highway with a culvert draining right into the pit area. This needs to be brought up with the State to get corrected.

18) The only inspections on the buildings, that will be required on-site will be the electrical inspector. Renovation of the buildings will comply with the ~~National~~ *un:formed* Building Code.

19) It was decided that Bradbury & Stamm Construction would bring their own trailer on-site. The existing buildings will be used by Laguna Construction personnel. Bradbury & Stamm Construction is to furnish an office space for the BIA along with their superintendent and project engineer.

20) The first phase of this project will concentrate on developing the administrative procedures and schedule to follow per the specifications.

21) Laguna Construction will be receiving radios in four to eight weeks. When they are received Bradbury & Stamm Construction will purchase two radios to match their crystals for the superintendent and project engineer.

Page Three  
Jackpile Mine Jobsite Meeting  
August 2, 1989

UNLESS WRITTEN MODIFICATION IS SUBMITTED WITHIN SEVEN (7)  
DAYS, THE ABOVE REPORT SHALL BE DEEMED CORRECT AND SO FILED.

THE NEXT MEETING WILL BE HELD @ 9:00 AM WEDNESDAY, AUGUST 9TH

Very truly yours,  
BRADBURY & STAMM CONSTRUCTION CO., INC.

  
Alice Fortenbury  
Project Technician

cc: Jim King  
Norm Shain  
Paul Sierra





*Bradbury & Stamm Construction Company, Inc.*

JACKPILE MINE - LAGUNA NEW MEXICO  
JOBSITE WEEKLY PROJECT MEETING  
August 16, 1989

ATIQ TATARI, LAGUNA CONSTRUCTION COMPANY  
ROGER BAER, BUREAU OF INDIAN AFFAIRS  
MARTIN STARK, LAGUNA CONSTRUCTION COMPANY  
J. W. GOFF, LAGUNA CONSTRUCTION COMPANY  
JIM OLSEN, PUEBLO OF LAGUNA  
BOB WITT, LAGUNA CONSTRUCTION  
CONRAD LUCERO, PUEBLO OF LAGUNA  
NORM SHAIN, BRADBURY & STAMM CONSTRUCTION  
HAL LARKIN, BRADBURY & STAMM CONSTRUCTION  
ALICE FORTENBURY, BRADBURY & STAMM CONSTRUCTION

- 1) Generator was received so it will be connected to the wiring in the Shops to see what works.
- 2) Also the generator will be hooked up to the well to see if it works and test the water.
- 3) Laguna Construction will be having a field service truck delivered within two weeks.
- 4) Equipment was being delivered while the meeting was being held. Bradbury & Stamm needs a complete list of all equipment received and Norm Shain needs to sign off on all equipment. Bradbury & Stamm also needs a schedule of anticipated deliveries by 8/23/89.
- 5) Per Bob from Laguna Construction the only receiving reports on the heavy equipment was bill of lading from trucking firm. This needs to be followed up with actual itemized delivery tickets with serial numbers for approval. A formal receiving report procedure needs to be established.
- 6) Atiq Tatari from Laguna Construction delivered the pay application to Bradbury & Stamm for review. This will be reviewed in Bradbury & Stamm's office and forward to Jim Olsen from Pueblo of Laguna for payment.
- 7) A draft Daily Report form was received from Martin Stark of Laguna Construction for review. Bradbury & Stamm will also need a schedule of labor and equipment rental rates per specifications by 8/23/89.
- 8) Purchasing of small tools have been with a purchase order and on a cash basis since Laguna Construction has not had any previous credit reference. Laguna Construction will provide a purchase order register to Bradbury & Stamm weekly.
- 9) If Laguna Construction has any comments on the specifications they need to be followed up in writing to Bradbury & Stamm no later than 8/18/89, so they may be forward to Roger Baer of BIA along with Bradbury & Stamm's



Page Two August 16, 1989  
Jackpile Mine Jobsite Meeting

comments.

10) Bradbury & Stamm received a copy of the Laguna Construction agreement with the Pueblo of Laguna. Roger Baer of BIA is to follow up on a signed copy for Bradbury & Stamm to have on file.

11) Laguna Construction needs to get a copy of the Safety Program they will be implementing in the field and meeting times to Bradbury & Stamm.

12) Laguna Construction needs to send copies of Keers Subcontract and Certificate of Insurance to Bradbury & Stamm's office by 8/18/89.

13) Bradbury & Stamm also requested Laguna Construction to send their Certificate of Insurance by 8/18/89 so that the pay request will not be delayed.

14) It was requested that Martin Stark of Laguna Construction make cost analysis in writing in reference to the generators vs power for pumps in case someone else comes on the project and questions why we are using generators. This analysis is needed by the next meeting.

15) Roger Baer of BIA said he wanted all written comments on the specifications by 8/21/89.

16) Bradbury & Stamm has a tentative date of 8/28/89 to move in their jobsite trailer.

17) It was brought up about Jacobs' Engineering schedule has water being pumped into the Jackpile pit and then pumped out again. Instead of pumping the water twice it was agreed to construct evaporation ponds in the Jackpile pit.

18) It was also noted that the ground is holding the water on top of the soil, no drainage what so ever. One suggestion was to scarify ground where water stands and see what happens.

19) Hal Larkin of Bradbury & Stamm requested Laguna Construction to make map of Jackpile to show the layout of the proposed evaporation ponds by 8/30/89. Indicate suggestions or problems.

20) Jacobs' Engineerings schedule shows demolition as a hit and miss procedure. Hal Larkin suggested getting demo crew and have them stay on demolition from one end to the other. Laguna Construction must provide a detailed demolition plan for review 20 days before any demolition can begin. This

Page Three August 16, 1989  
Jackpile Mine Jobsite Meeting

plan should include an economic analysis of using a D-9 vs a demolition hammer for breaking up concrete foundations.

21) Norm Shain of Bradbury & Stamm is trying to locate all vent holes and drill holes that need to be plugged. Conrad Lucero of Pueblo of Laguna is going to see if he could locate a map showing all these holes and give to Norm Shain.

22) The 100% Design Manuals hopefully will be sent to BIA this month. Martin Stark of Laguna Construction requested Roger Baer of BIA to order sepias for Laguna Construction's use.

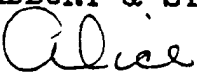
23) Bob Witt of Laguna Construction stated the training of operators on the heavy equipment would be done by Rust Tractor and Border Machinery.

24) The demolition of underground storage tanks need to be looked into. This is supposed to be in the demo package.

UNLESS WRITTEN MODIFICATION IS SUBMITTED WITHIN SEVEN (7) DAYS, THE ABOVE REPORT SHALL BE DEEMED CORRECT AND SO FILED.

THE NEXT MEETING WILL BE HELD @ 9:00 AM WEDNESDAY,  
AUGUST 23TH.

Very truly yours,  
BRADBURY & STAMM CONSTRUCTION CO., INC.

  
Alice Fortenbury  
Project Technician

cc: Jim King  
Paul Sierra



*Bradbury & Stamm Construction Company, Inc.*

JACKPILE MINE - LAGUNA NEW MEXICO  
JOBSITE WEEKLY PROJECT MEETING

August 23, 1989

ROGER BAER, BUREAU OF INDIAN AFFAIRS

JIM OLSEN, PUEBLO OF LAGUNA

NEAL KASPER, LAGUNA CONSTRUCTION CO. INC.

NORM SHAIN, BRADBURY & STAMM CONSTRUCTION

HAL LARKIN, BRADBURY & STAMM CONSTRUCTION

ALICE FORTENBURY, BRADBURY & STAMM CONSTRUCTION

- 1) Laguna Construction will be sending Bradbury & Stamm an updated four week bar chart, equipment delivery schedule and a demolition schedule.
- 2) Jim Olsen of Pueblo of Laguna submitted maps showing drill hole locations. Bradbury & Stamm will be getting copies of these maps for Laguna Construction and for Bradbury & Stamm field use and return the originals to the Pueblo of Laguna.
- 3) Laguna Construction Company's first pay estimate was approved by Bradbury & Stamm and was given to Jim Olsen of Pueblo of Laguna for payment.
- 4) Laguna Construction will provide Bradbury & Stamm their daily reports, receiving reports, labor rates, labor burden rate and equipment rates.
- 5) Laguna Construction reconfirmed that they would get Bradbury & Stamm a copy of their safety implementation plan and time when safety meetings would be held.
- 6) Per Neal Kasper, Laguna Construction will be transmitting today Keer's Subcontract and Certificate of Insurance.
- 7) Neal Kasper of Laguna Construction will follow up on cost analysis of generators vs power for pumps so it will be on record for future use.
- 8) Roger Baer of BIA suggested setting up a meeting with Hal Larkin of Bradbury & Stamm, Jim Olsen of Pueblo of Laguna and himself to define their duties. This meeting will be Friday, August 25th.
- 9) Laguna Construction has a generator working and tested the well for water. One problem with the tank is cleaning out the bat guano that has accumulated over the years.
- 10) The pumping platforms and pipe line hopefully will be in next week so the dewatering of the pit can start. Neal Kasper of Laguna Construction estimated it would take 150 days with 24 hour shifts to pump the first pit.



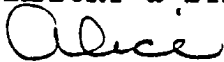
Page Two August 23, 1989  
Jackpile Mine Jobsite Meeting

- 11) Bradbury & Stamm's area for a jobsite trailer is just about ready for the trailer to be moved onsite August 28th.
- 12) Neal Kasper of Laguna Construction confirmed he would be forwarding layout of proposed evaporation ponds to Bradbury & Stamm by August 30th.
- 13) The electrical wiring for the Laguna Construction's project office at the site has been started.

UNLESS WRITTEN MODIFICATION IS SUBMITTED WITHIN SEVEN (7) DAYS, THE ABOVE REPORT SHALL BE DEEMED CORRECT AND SO FILED.

THE NEXT MEETING WILL BE HELD @ 9:00 AM WEDNESDAY, AUGUST 30TH.

Very truly yours,  
BRADBURY & STAMM CONSTRUCTION CO., INC.

  
Alice Fortenbury  
Project Technician

cc: Jim King  
Paul Sierra



**Bradbury & Stamm Construction Company, Inc.**

**JACKPILE MINE - LAGUNA NEW MEXICO  
JOBSITE WEEKLY PROJECT MEETING  
August 30, 1989**

**ROGER BAER, BUREAU OF INDIAN AFFAIRS  
JIM OLSEN, PUEBLO OF LAGUNA  
ATIQ TATARI, LAGUNA CONSTRUCTION COMPANY  
NEAL KASPER, LAGUNA CONSTRUCTION CO. INC.  
NORM SHAIN, BRADBURY & STAMM CONSTRUCTION  
HAL LARKIN, BRADBURY & STAMM CONSTRUCTION  
ALICE FORTENBURY, BRADBURY & STAMM CONSTRUCTION**

- 1) Neal Kasper, Laguna Construction turned in a four week schedule on the mobilization work packages for 8/26/89 through 9/16/89.
- 2) Laguna Construction has purchased 30% of the small tools. The balance of the small tools will be purchased when the shop areas are completed and secured.
- 3) Laguna Construction Field Office will be completed by next week. The Maintenance Shop is behind schedule due to Keers is behind with the insulation. Keers should be completed by Thursday, August 31st.
- 4) The sewer lines were all tracked down. There will be a possibly of needing a lift station.
- 5) Continental Electric hooked up power finally Friday, August 25th.
- 6) Telephone company was on-site but has not completed the phone lines.
- 7) The roads are 50% graded from the shops to the staging area. There is approximately 12 to 15 miles of road graded to the Jackpile. Neal said he would follow up on this so it may be included in Bradbury & Stamm's Project Status Report.
- 8) All the piping has been ordered and 11,760 feet has been received. Balance of the pipe should be in next week or sooner. All the fittings have been received.
- 9) Neal Kasper, Laguna Construction is to send drawings of berms that will be used for the dewatering. There will be three areas in the South Paguate and three areas in Jackpile. There has been some deviation from the Jacobs Engineering dewatering package. Neal stated there should be a \$150,000 savings with this deviation.
- 10) There is 15,000 feet of pipe line dug and they have re-established the drainage on the roads.



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Jackpile Mine Jobsite Meeting

- 11) Neal Kasper, Laguna Construction stated there will be some dewatering items purchased in the equipment package. The pipe will be reused in the irrigation if this process is done. Also any potential over runs of the budget on the mobilization package will be sent to Bradbury & Stamm by Neal as soon as possible.
- 12) Laguna Construction will have the demolition schedule for the meeting of September 6th for review. This schedule is needed for decontamination records. Jacobs Engineering definitely states there will be no further burning.
- 13) Bradbury & Stamm will be getting a radiation monitor when Laguna Construction starts working on protore piles. Neal thought this would be around the first of October.
- 14) Bradbury & Stamm will have a drill hole schedule as soon as all drill holes that are not plugged are located.
- 15) During the monitoring program Bradbury & Stamm will have aerial photos taken every six months during the project. It was decided to have black and white photos for the six month pictures and color for the yearly. (2 photos for the Pueblo, 1 photo for LCC and 1 photo for CMC)
- 16) Neal Kasper submitted an equipment delivery schedule for review to Bradbury & Stamm.
- 17) Atiq Tatari, Laguna Construction will have the labor burden rate figure for September 6th meeting for review so it can be implemented into the September 15th billing. Also, Atiq is to get a copy of the labor rates to Bradbury & Stamm broke down into trades and pay scales.
- 18) Since Laguna Construction does not have to pay into the state and federal unemployment funds, Neal Kasper stated the funds that would normally be for those purposes would be put into a reserve fund for future use for Laguna Construction employees for their unemployment.
- 19) Even though Laguna Construction will not be charging the Pueblo equipment rates for the mobilization they still need to get equipment rates to Bradbury & Stamm for review.
- 20) The blasting of the highwall in North Paguate was discussed and that will be the last resort if this should have to happen. Neal Kasper, Laguna Construction is getting proposals from different companies for the blasting if needed. An answer is needed on this by next week. The blasting must not cause any damage to the Paguate Village.

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Jackpile Mine Jobsite Meeting

Neal needs to furnish a cost estimate on the North Paguate wall blasting so it can be compared to Jacobs Engineering estimate.

21) Laguna Construction gave a copy of their safety plan booklets and hand outs that are given to all their employees and will be enforced.

22) Laguna Construction holds a safety meeting on Monday mornings with all the employees.

23) Roger Baer, BIA had no concerns at this time.


24) Bradbury & Stamm moved their jobsite trailer onsite today.

25) When the moving of the stock piles start, the closing of highway 279 will have to occur. The traffic must be diverted onto the old road but highway 279 needs to be open for the buses. When the traffic is diverted the subsidence monitoring must be done on old highway 279. Any diviation from Jacobs Engineering's schedule must be submitted by Laguna Construction until a new project schedule is established and approved.

UNLESS WRITTEN MODIFICATION IS SUBMITTED WITHIN SEVEN (7) DAYS, THE ABOVE REPORT SHALL BE DEEMED CORRECT AND SO FILED.

THE NEXT MEETING WILL BE HELD @ 9:00 AM WEDNESDAY.  
SEPTEMBER 6TH.

Very truly yours,  
BRADBURY & STAMM CONSTRUCTION CO., INC.

  
Alice Fortenbury  
Project Technician

cc: Jim King  
Paul Sierra





JACKPILE MINE - LAGUNA NEW MEXICO  
JOBSITE WEEKLY PROJECT MEETING

September 6, 1989

ROGER BAER, BUREAU OF INDIAN AFFAIRS  
JIM OLSEN, PUEBLO OF LAGUNA  
ATIQ TATARI, LAGUNA CONSTRUCTION COMPANY  
MARTIN STARK, LAGUNA CONSTRUCTION CO. INC.  
NORM SHAIN, BRADBURY & STAMM CONSTRUCTION  
HAL LARKIN, BRADBURY & STAMM CONSTRUCTION  
ALICE FORTENBURY, BRADBURY & STAMM CONSTRUCTION

1) Laguna Construction is doing the finish touches on the Field Office and hopefully will be completed the end of this week.

2) Laguna Construction is reconditioning jobsite roads and working the drainage along the roads.

3) Keers has completed the insulation in the Maintenance Shop. The shop should be operational within three weeks.

4) Pipe is being laid from the North Pagate to the Jackpile. If the permit is received they will be boring under the highway Monday, September 11, 1989. It will take about three days to bore.

5) Approximately 60% of the dewatering pipe has been laid.

6) If everything is okay the pumping process should start next week.

7) Martin Stark stated he would follow up on the layout of the ponding areas.

8) Roger Baer has expressed big concern that the joints in the piping needs some blocking and berms are needed by the creek in case there was a break in the pipe while pumping operations were going on. Norm Shain stated that there would be some sensor valves at different locations if there should be any kind of water leak and shut off the pumping operation. Roger also state documentation must be done before any dewatering starts. LCC will need a 24 hour ditch rider. There needs to be some water testing done immediately. LCC stated they were getting quotes from TMA Eberline.

9) Demolition of the North Pagate structures have been completed. Bradbury & Stamm has still no received any demolition schedule from Laguna Construction. Per Neal Kasper a demo schedule for the South Pagate Structures would be in Bradbury & Stamm's office Friday, September 8, 1989.



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**Jackpile Mine Jobsite Meet:**

10) Norm Shain has not located any drill holes to be plugged West of the Shop Area. He will be concentrating further on the mesa. There has been a lot of erosion with 6 - 8 feet trenches.

11) Vent holes have not all been located. LCC thinks this is a separate packages from the mobilization package but these need to be located and plugged.

12) Building of North Paguate haul roads should be completed around October 1st.

13) Atiq Tatari submitted the pay estimated to Bradbury & Stamm for approval.

14) Atiq Tatari submitted the Labor Rates and Classifications that will be used on this project.

15) The Labor Burden Rate Schedule was submitted for discussion and was agreed to be used on all LCC billings. This rate may be adjusted periodically and reviewed.

16) Blasting of the highwall in North Paguate was discussed and any blasting must be done right away if any thing is to be done at all. Per Neal Kasper he is following up on quotes for blasting and will forward to Bradbury & Stamm's office Friday. The North Paguate village is very sensitive to any blasting so this must be well planned out.

17) Any variances from Jacobs Engineering established plans and schedule must be submitted on for approval first before it is proceeded on.

18) Aerial Photo quotes have been received and the CMC will probably have a photo done of the jobsite in October.

19) Environmental Monitoring proposals are being sent out for quotes by the CMC.

20) Jim Olsen, POL gave Norm Shain power plans for the old housing area but it was indicated all power lines are dead.

21) There are approximately 12 wells on the site that need monitoring. This needs to be followed up on.

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Jackpile Mine Jobsite Meeting

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THE NEXT MEETING WILL BE HELD @ 9:00 AM WEDNESDAY.  
SEPTEMBER 13TH.

Very truly yours,  
BRADBURY & STAMM CONSTRUCTION CO., INC.



Alice Fortenbury  
Project Technician

cc: Jim King  
Paul Sierra



*Bradbury & Stamm Construction Company, Inc.*

JACKPILE MINE - LAGUNA NEW MEXICO  
JOBSITE WEEKLY PROJECT MEETING

September 13, 1989

ROGER BAER, BUREAU OF INDIAN AFFAIRS

JIM OLSEN, PUEBLO OF LAGUNA

ATIQ TATARI, LAGUNA CONSTRUCTION COMPANY

NORM SHAIN, BRADBURY & STAMM CONSTRUCTION

HAL LARKIN, BRADBURY & STAMM CONSTRUCTION

ALICE FORTENBURY, BRADBURY & STAMM CONSTRUCTION

- 1) LCC submitted the four week bar chart schedule for the project.
- 2) No demolition schedule has been received from LCC. Per Jacob's Engineering guide lines the demolition schedule must be submitted 20 days prior to any demolition for approval. It was discussed that NO DEMOLITION WILL PROCEED WITHOUT AN APPROVED DEMOLITION SCHEDULE.
- 3) LCC's pay estimate was approved by the CMC and turned over to the Pueblo of Laguna for payment. There will need to be work classifications and rate of pay on future certified payrolls when turned in with the pay estimate. Atiq Tatari, LCC is working on this format.
- 4) LCC needs to write an explanation on the electrician's pay rate.
- 5) LCC's equipment rates need to be in the CMC office no later than September 27, 1989 since some of the work package will start October 1, 1989.
- 6) LCC's labor burden was approved for their pay estimates and can be reviewed if necessary.
- 7) Per Neal Kasper, LCC there will be no blasting of the highwall in North Paguate. What needs to be done they think can be done without blasting. The Pueblo of Laguna needs to approve prior to any blasting. The optional work package for the highwall is still under discussion by the POL.
- 8) LCC has decided not to close Highway 279 this fall. LCC is looking into a conveyor belt system instead. They think this will pay for itself. LCC is to be getting prices on the conveyor belt system and will submit for discussion and approval. LCC will also submit the schedule impact of this change.
- 9) The CMC still has not received the evaporation ponding layout that was promised August 30th by LCC. This must happen now since the ponds are being built.



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Jackpile Mine Jobsite Meeting

10) LCC needs to submit an accidental discharge plan in writing before any pumping is done. This plan should outline all the steps which have been taken to prevent or contain any discharge as well as the steps to be taken if a discharge occurs. Jim Olsen, POL and Roger Baer, BIA also stated water test results need to be received for any pumping operations are started. It was agreed no pumping would be permitted until these two items have been sent to the CMC and approved.

11) It was confirmed any planned deviations from the Jacob's Engineering Schedule must be submitted for approval prior to the schedule being changed.

12) The CMC is to get with Continental Electric to look into getting the Geology Building some electricity. All the wiring and power poles have been destroyed by vandals. If Jim Olsen, POL wants to use the building for an office it probably will be more economical to use a generator for electricity.

13) Roger Baer, BIA stated he did not have any concerns at this time.

14) The CMC will be submitting a copy of the proposal package on the aerial photographs to Jim Olsen, POL to review before doing any aerial photos.

15) The CMC will be sending out the environmental monitoring package out for bids this week.

16) The CMC has received a proposal package on the meteorological monitoring. This will be forwarded to Jim Olsen, POL for review. It is powered by solar and has a floppy disk for the data storage. Jim Olsen stated the monitoring would need to be only every 30 minutes to an hour.

17) The CMC sent water samples to Assaigai Analytical Lab for test results.. Hopefully, some results will be received by the end of this week or first part of next week.

18) LCC's electrician has got the overhead cranes working in the maintenance shop. They are running cable for the welder and hanging electrical fixtures now.

19) LCC is painting, paneling the offices, installing plumbing to the restrooms, ductwork being installed, ceiling and doors are also being installed in the Field Office. This should all be done by the end of next week.

20) The generator was set and the pontoons were put in place at the North Pit last Thursday for the pumping operation.

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Jackpile Mine Jobsite Meeting

21) Friday, LCC had one 988 front end loader and one D9 dozer delivered to the site.

22) Norm Shain, CMC located some drill holes between the shop and housing area. He will be looking for some more to see if they are plugged or not.

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SEPTEMBER 13TH.

Very truly yours,  
BRADBURY & STAMM CONSTRUCTION CO., INC.



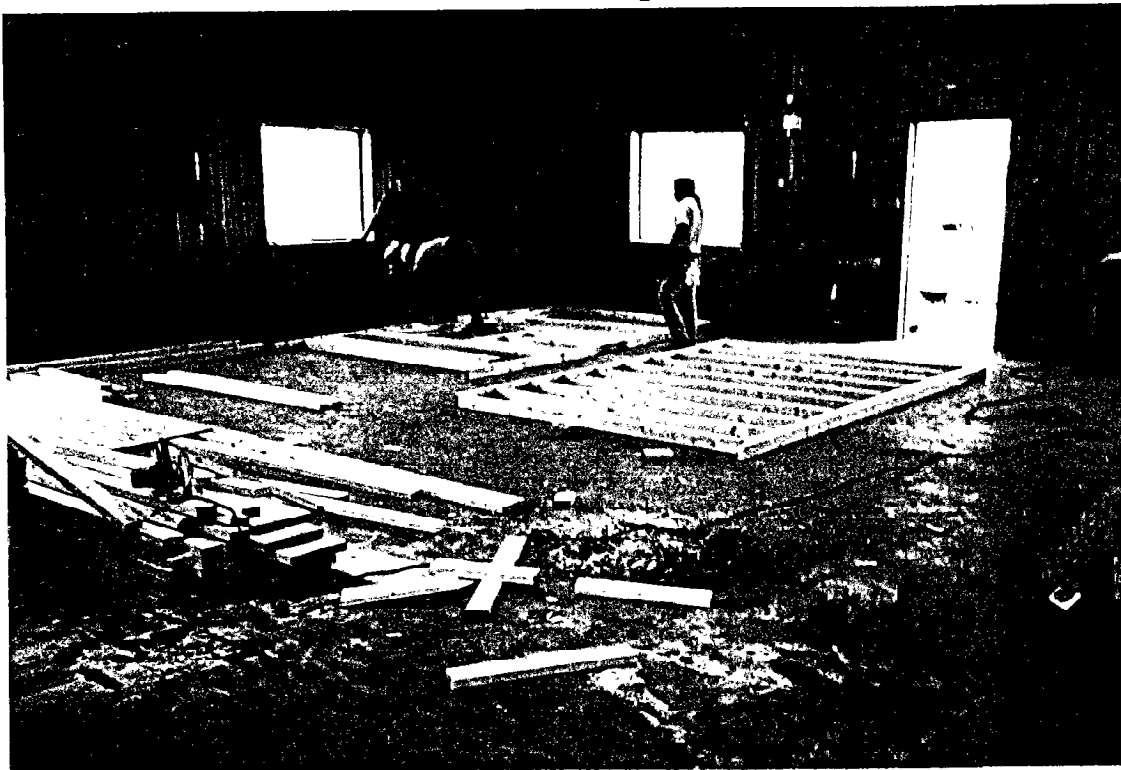
Alice Fortenbury  
Project Technician

cc: Jim King  
Paul Sierra

## 5. CONSTRUCTION PHOTOGRAPHS

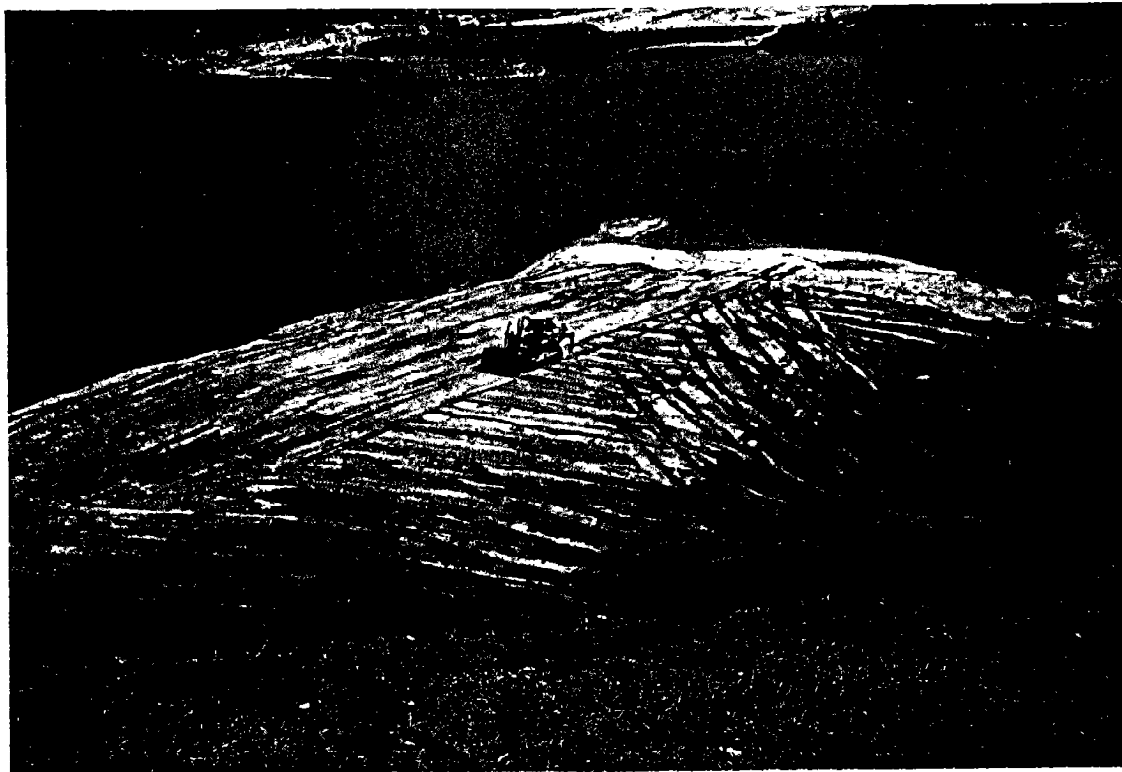


Work at Shop Area



Framing New Office

5 . C O N S T R U C T I O N   P H O T O G R A P H S



Staging Area for Pumping in North Paguate



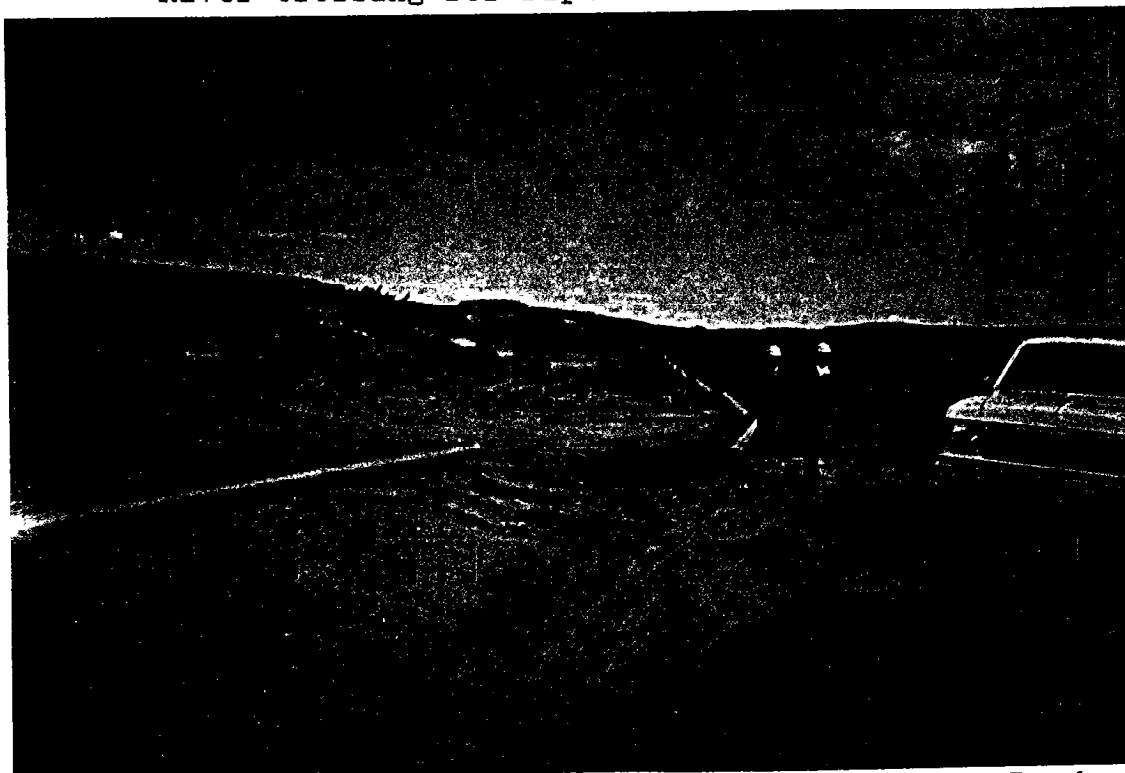
Pipe line coming out of North Paguate



5 . C O N S T R U C T I O N   P H O T O G R A P H S



River Crossing for Pipeline at the Rio Paguate

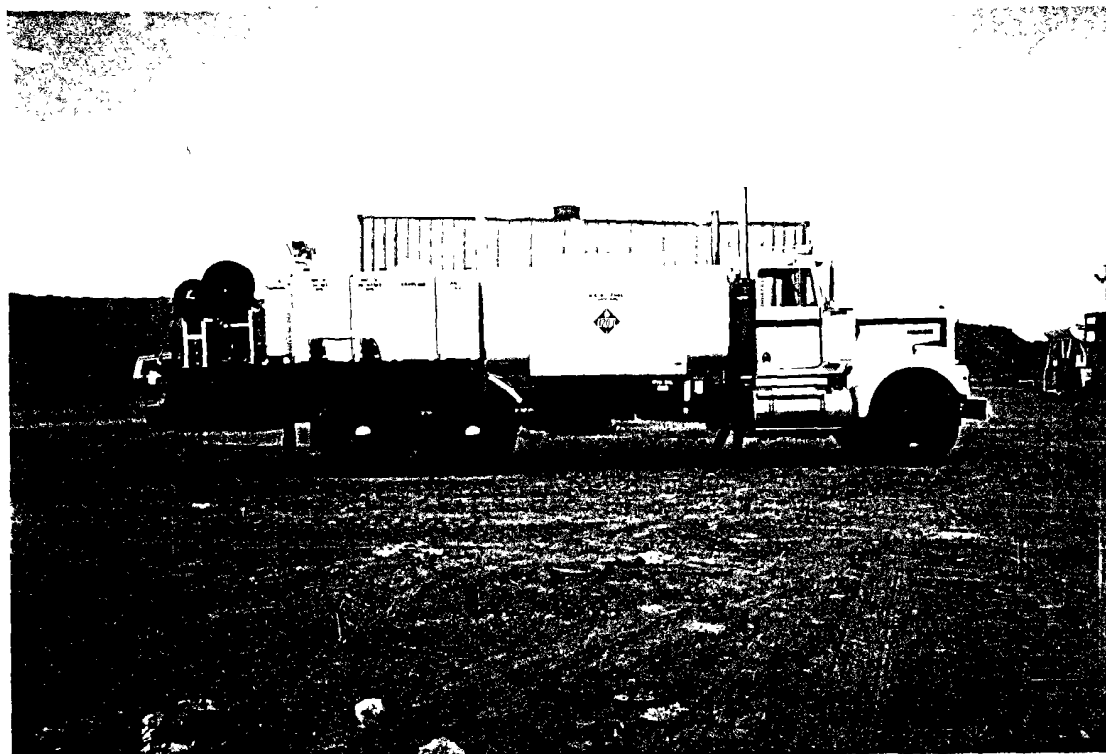


Laying Pipeline to the South Paguate Evaporation Ponds

5. CONSTRUCTION PHOTOGRAPHS



New Water Wagon and D-8



New Service Truck